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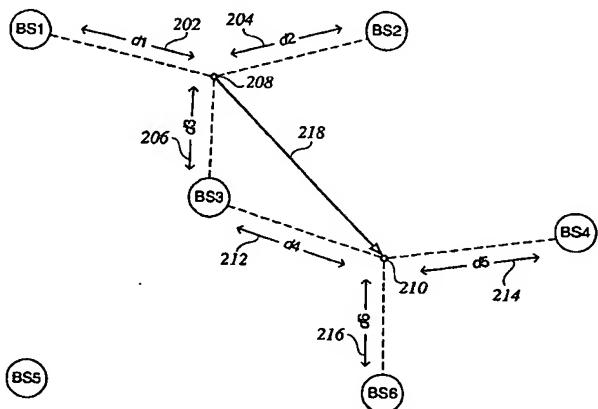
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[Continued on next page]

(54) Title: SYSTEM AND METHOD TO OBTAIN SIGNAL ACQUISITION ASSISTANCE DATA



(57) Abstract: Signal acquisition assistance data is obtained for receiving devices such as wireless position assisted location devices (208, 210) seeking signals from any source (B1-B10), such as satellite vehicles and base stations. The data may be obtained from previously acquired data, based upon evaluation of changes in parameters such as time and location that may jeopardize validity. In some cases the data may be adjusted for the changes in parameters. Refined data may be calculated by a receiver using partial measurements of signal sets, particularly if the acquisition assistance data provided by a remote entity includes more distinct parameters than have typically been provided. New data need not be obtained until the validity of previous data expires due to limitations upon temporal extrapolation using Doppler coefficients, unless mobile station movement that cannot be compensated is detected, and jeopardizes validity of the previous data.

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BS9

BS7

BS8

BS10



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01S 5/14
US CL : 342/357.15, 357.1, 357.08, 464

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,666,122 A (CARTER) 09 Septemeber 1997 (09.09.1997), see entire disclosure	15, 17, 18, 22-24, 26, 31 and 33
X	US 6,114,992 A (UNDERBRINK) 05 September 2000 (05.09.2000), see entire disclosure.	15, 17, 18, 22-24, 26, 31 and 33
X	US 6,133,874 A (KRASNER) 17 October 2000 (17.10.2000) see entire disclosure	1-11, 15-20, 22-31, 33
X	US 6,429,815 B1 (SOLIMAN) 06 August 2002 (06.08.2002) see entire disclosure.	1-38
X	US 6,433,735 B1 (BLOEBAUM et al) 13 August 2002 (13.08.2002) see entire disclosure.	1-38

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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